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ATTACHMENT A

Project Information File No. 06-225

1. Applicant: County of Orange Resources and Development Management
Department
300 North Flower Street
Santa Ana, CA 92702

Phone: (714) 834-3471 Fax: (714) 796-0107

2. Applicant's Agent: Richard Beck
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Phone: (949) 855-3687 Fax: (949) 837-4122

3. Project Name: Los Alamitos Pump Station

4. Project Location: Seals Beach/Long Beach, Los Angeles County

Longitude:118.0917W; Latitude: 33.75732N
Longitude:118.0917W; Latitude: 33.75395N
Longitude:118.09298W; Latitude: 33.7539N
Longitude:118.09579W; Latitude: 33.75556N
Longitude:118.09783W; Latitude: 33.75566N
Longitude:118.09707W; Latitude: 33.75737N
Longitude:118.09497W; Latitude: 33.75737N
Longitude:118.09292W; Latitude: 33.75737N

5. Type of Project: Pump station replacement

6. Project Purpose: The purpose of the proposed project is to replace the existing outdated pump station, in order to provide sufficient pumping capacity for the 100-year storm event and eliminate flooding in the surrounding areas.

The existing Los Alamitos Pump Station (LAPS) is located along the border of the Cities of Long Beach and Seal Beach, near the northwest corner of the adjacent Los Alamitos Retarding Basin

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(LARB). The LARB consists of approximately 30 acres, which serves as a drainage tributary area of approximately 3,584 acres and provides approximately 242 acre-feet of storage volume for a 100-year storm event. The site consists of a depressed basin bordered by an unpaved road that is level with the surrounding topography.

The original LAPS was constructed in 1958. The storm water pump station consists of four axial flows, single-stage Cascade pumps, driven by 350 horsepower electric motors. Under the proposed project, the new pump engines will be powered by natural gas.

During the 1995 storm season, the region experienced several storms that exceeded the capacity of the subject drainage system, resulting in flooding in some portions of the drainage areas served by the system. This demonstrated the need to increase overall pumping capacity into San Gabriel River.

7. Project Description:

The proposed project will consist of the installation of a 4-pump station approximately 70 feet south of the existing pump station, with space for an additional fifth pump. This position is far enough away from the existing station to allow the existing station to remain in service during construction of the new pump station.

The proposed pump station will be approximately 131 feet in length, 57 feet wide and 27 feet deep in the wet well. The water will be pumped through four mixed flow pumps. The sump pumps will handle low flows, however, during a 100-year storm event the lead pump would turn on. The proposed pump station will have a maximum capacity of 880 cfs, with a maximum pump station outflow of 774 cfs. This will provide for adequate drainage assuming a 100-year expected runoff value of 1,707cfs and one-day storm runoff volume of 928.9 acre-feet.

Construction access will be provided from Pacific Coast Highway along the existing access road running through the Hellman Ranch. Access will also be provided through Via Adolfo Lopez Road to the southern maintenance roadway of the basin.

Modifications of the LARB will include minor grading activities to provide a construction wet basin/channel to achieve dry weather

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flow water quality treatment. The wet basin will also contain a sediment forebay and regulated discharge flow. The low flow channel will meander through the basin floor in order to receive initial treatment, where concentrations of sediment, nutrients and metals are expected to be reduced. After receiving initial treatment within the wet basin, the low flow will continue to meander along the channel to achieve reduction in bacteria concentration by achieving a longer hydraulic residence time. The low flow channel will extend approximately 3,300 linear feet from the wet basin to the outlet of the Los Alamitos Basin.

8. Federal Agency/Permit: U.S. Army Corps of Engineers
NWP No. 43 (Permit No. 2006-02129-KW)
9. Other Required Regulatory Approvals: California Department of Fish and Game
Streambed Alteration Agreement
10. California Environmental Quality Act Compliance: A Negative Declaration was prepared for the proposed project and filed with the County of Orange on March 6, 2007.
11. Receiving Water: San Gabriel River Estuary (Hydrologic Unit No. 405.15)
12. Designated Beneficial Uses: IND, NAV, REC-1, REC-2, COMM, EST, MAR, WILD, RARE, MIGR, SPWN, SHELL

*Conditional beneficial use
13. Impacted Waters of the United States: Non-wetland waters (unvegetated streambed): 0.07 permanent acres
14. Dredge Volume: None

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15. Related Projects Implemented/to be Implemented by the Applicant: The Applicant has not identified any related projects carried out in the last 5 years or planned for implementation in the next 5 years.
16. Avoidance/Minimization Activities: The Applicant has proposed to implement several Best Management Practices, including, but not limited to, the following:
- A construction staging area shall be located within a designated area outside of the LARB.
 - Prior to initiation of construction activities for the project site, a Storm Water Pollution Prevention Plan (SWPPP) shall be prepared by the contractor in compliance with NPDES requirements.
 - No repair activities or maintenance shall take place during storm events. No construction equipment shall be cleaned, maintained or washed down within the basin, banks, or near any drainage area.
 - Toxic and hazardous materials associated with equipment maintenance activities shall not be permitted within the project area.
 - Should a release occur, spills of hazardous materials will be promptly cleaned up in accordance with local, regional, State and Federal regulations.
 - All appropriate Construction Best Management Practices will be implemented during construction-related operations.
17. Proposed Compensatory Mitigation: In order to provide mitigation for proposed project impacts (0.07 acres), the Applicant proposes to create 0.28 acres of jurisdictional waters through basin slope excavation. Upland portions of the basin's slopes will be excavated to mimic the existing basin floor, which will allow commingling between the sandy bottom and groundwater. Additionally, the Applicant will seed 0.14-acre of mule fat and saline plant species, in-kind within the temporary impact area. The Habitat Mitigation Plan (HMP) program will include: (1) an assessment of both impact and future mitigation site conditions; (2) a discussion of the proposed mitigation program; (3) guidelines for plant establishment, site preparation, long-term site maintenance, long-term site performance monitoring, and site status documentation; (4) proposed planting palette; and, (5) a conceptual

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mitigation site plan. A Draft HMP shall be forwarded to the Regional Board within thirty (30) days of the executed 401 Certification.

18. Required
Compensatory
Mitigation:

The Applicant will be required to provide 0.28 acres of compensatory mitigation for any permanent impacts associated with the proposed project. The mitigation ratio shall be 4:1 for all permanent impacts.

See *Attachment B, Conditions of Certifications, Additional Conditions* for modifications and additions to the above proposed compensatory mitigation.

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STANDARD CONDITIONS

Pursuant to §3860 of Title 23 of the California Code of Regulations (23 CCR), the following three standard conditions shall apply to this project:

1. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to §13330 of the California Water Code and Article 6 (commencing with 23 CCR §3867).
2. This Certification action is not intended and shall not be construed to apply to any activity involving a hydroelectric facility and requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to 23 CCR Subsection 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. Certification is conditioned upon total payment of any fee required pursuant to 23 CCR Chapter 28 and owed by the Applicant.

ADDITIONAL CONDITIONS

Pursuant to 23 CCR §3859(a), the Applicant shall comply with the following additional conditions:

1. The Applicant shall submit to this Regional Board copies of any other final permits and agreements required for this project, including, but not limited to, the U.S. Army Corps of Engineers' (ACOE) Section 404 Permit and the California Department of Fish and Game's (CDFG) Streambed Alteration Agreement. **These documents shall be submitted prior to any discharge to waters of the State.**
2. The Applicant shall adhere to the most stringent conditions indicated with either this certification, the CDFG's Streambed Alteration Agreement, or the ACOE Section 404 Permit.
3. The Applicant shall comply with all water quality objectives, prohibitions, and policies set forth in the *Water Quality Control Plan, Los Angeles Region (1994)*.
4. The Avoidance/Minimization activities proposed by the Applicant as described in Attachment A, No. **16**, are incorporated as additional conditions herein.

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5. The Applicant and all contractors employed by the Applicant shall have copies of this Certification, the approved maintenance plan, and all other regulatory approvals for this project on site at all times and shall be familiar with all conditions set forth.
6. Fueling, lubrication, maintenance, operation, and storage of vehicles and equipment shall not result in a discharge or a threatened discharge to waters of the State. At no time shall the Applicant use any vehicle or equipment which leaks any substance that may impact water quality. Staging and storage areas for vehicles and equipment shall be located outside of waters of the State.
7. All excavation, construction, or maintenance activities shall follow best management practices to minimize impacts to water quality and beneficial uses. Dust control activities shall be conducted in such a manner that will not produce downstream runoff.
8. No construction material, spoils, debris, or any other substances associated with this project that may adversely impact water quality standards, shall be located in a manner which may result in a discharge or a threatened discharge to waters of the State. Designated spoil and waste areas shall be visually marked prior to any excavation and/or construction activity, and storage of the materials shall be confined to these areas.
9. All waste and/or dredged material removed shall be relocated to a legal point of disposal if applicable. A legal point of disposal is defined as one for which Waste Discharge Requirements have been established by a California Regional Water Quality Control Board, and is in full compliance therewith. Please contact Rodney Nelson, Land Disposal Unit, at (213) 620-6119 for further information.
10. The Applicant shall implement all necessary control measures to prevent the degradation of water quality from the proposed project in order to maintain compliance with the Basin Plan. The discharge shall meet all effluent limitations and toxic and effluent standards established to comply with the applicable water quality standards and other appropriate requirements, including the provisions of Sections 301, 302, 303, 306, and 307 of the Clean Water Act. This Certification does not authorize the discharge by the applicant for any other activity than specifically described in the 404 Permit.
11. The discharge shall not: a) degrade surface water communities and populations including vertebrate, invertebrate, and plant species; b) promote the breeding of mosquitoes, gnats, black flies, midges, or other pests; c) alter the color, create visual contrast with the natural appearance, nor cause aesthetically undesirable discoloration of the receiving waters; d) cause formation of sludge deposits; or e) adversely affect any designated beneficial uses.

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12. The Applicant shall allow the Regional Board and its authorized representative entry to the premises, including all mitigation sites, to inspect and undertake any activity to determine compliance with this Certification, or as otherwise authorized by the California Water Code.
13. Application of pesticides must be supervised by a certified applicator and be in conformance with manufacturer's specifications for use. Compounds used must be appropriate to the target species and habitat. All pesticides directed toward aquatic species must be approved by the Regional Board. Pesticide utilization shall be in accordance with State Water Resources Control Board Water Quality Order Nos. 2004-0008-DWQ and 2004-0009-DWQ.
14. The Applicant shall not conduct any construction activities within waters of the State during a rainfall event. The Applicant shall maintain a **five-day (5-day) clear weather forecast** before conducting any operations within waters of the State.
15. If rain is predicted after operations have begun, grading activities must cease immediately and the site must be stabilized to prevent impacts to water quality, and minimize erosion and runoff from the site.
16. The grading, stabilization and re-vegetation will be phased to limit the exposed or working face such that the graded area can be stabilized within 24 hours after the first prediction of rain during the 5-day forecast or within 24 hours after final grading of the phased area.
17. The Applicant shall utilize the services of a qualified biologist with expertise in riparian assessments during all vegetation clearing. The biologist shall be available on site during construction activities to ensure that all protected areas are marked properly and ensure that no vegetation outside the specified areas is removed. The biologist shall have the authority to stop the work, as necessary, if instructions are not followed. The biologist shall be available upon request from this Regional Board for consultation within 24 hours of request of consultation.
18. No activities shall involve wet excavations (i.e., no excavations shall occur below the seasonal high water table). A minimum **5-foot** buffer zone shall be maintained above the existing groundwater level. If construction or groundwater dewatering is proposed or anticipated, the Applicant shall file a **Report of Waste Discharge** to this Regional Board and obtain any necessary NPDES permits/Waste Discharge Requirements prior to discharging waste. Sufficient time should be allowed to obtain any such permits (generally 180 days). If groundwater is encountered without the benefit of appropriate permits, the Applicant shall cease all activities in the areas where groundwater is present, file a Report of Waste Discharge to this Regional Board, and obtain any necessary permits prior to discharging waste.

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19. All project/maintenance activities not included in this Certification, and which may require a permit, must be reported to the Regional Board for appropriate permitting. Bank stabilization and grading, as well as any other ground disturbances, are subject to restoration and revegetation requirements, and may require additional Certification action.
20. All surface waters, including ponded waters, shall be diverted away from areas undergoing grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving water. If surface water diversions are anticipated, the Applicant shall develop and submit a **Surface Water Diversion Plan** (plan) to this Regional Board. The plan shall include the proposed method and duration of diversion activities, structure configuration, construction materials, equipment, erosion and sediment controls, and a map or drawing indicating the locations of diversion and discharge points. Contingency measures shall be a part of this plan to address various flow discharge rates. The plan shall be submitted prior to any surface water diversions. If surface flows are present, then upstream and downstream monitoring for the following shall be implemented:
 - pH
 - temperature
 - dissolved oxygen
 - turbidity
 - total suspended solids(TSS)
 - Downstream TSS shall be maintained at ambient levels
 - Where natural turbidity is between 0 and 50 Nephelometric Turbidity Units (NTU), increases shall not exceed 20%. Where natural turbidity is greater than 50 NTU, increases shall not exceed 10%.

Analyses must be performed using approved US Environmental Protection Agency methods, where applicable. These constituents shall be monitored for on a daily basis during the first week of diversion and/or dewatering activities, and then on a weekly basis, thereafter, until the in-stream work is complete.

Results of the analyses shall be submitted to this Regional Board by the 15th day of each subsequent sampling month. A map or drawing indicating the locations of sampling points shall be included with each submittal. Diversion activities shall not result in the degradation of beneficial uses or exceedance of water quality objectives of the receiving waters. Any such violations may result in corrective and/or enforcement actions, including increased monitoring and sample collection.

21. The Applicant shall restore all areas of TEMPORARY IMPACTS to waters of the United States and all other areas of temporary disturbance which could result in a discharge or a threatened discharge to waters of the State. Restoration shall include grading of disturbed areas to pre-project contours and revegetation with native species. The Applicant shall

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implement all necessary Best Management Practices to control erosion and runoff from areas associated with this project.

22. The Applicant shall provide COMPENSATORY MITIGATION to offset the proposed permanent impacts to **0.07 acres** of vegetation within waters of the United States by creating or restoring riparian habitat/Federal jurisdictional wetland habitat at a minimum **4:1** area replacement ratio (**0.28 acres**). The boundary of the mitigation site shall be clearly identified on a map of suitable quality and shall be defined by latitude and longitude. This information shall be submitted to this Regional Board for approval prior to any disturbance within waters of the United States and shall include copies of any agreements made between the Applicant and a third party organization regarding compensatory mitigation efforts.
23. All open space and mitigation areas shall be placed within a conservation easement to ensure preservation in perpetuity. Documentation of proper easement placement shall be submitted to the Regional Board within one year.
24. The Applicant shall submit to this Regional Board **Annual Mitigation Monitoring Reports** by **January 1st** of each year for a minimum period of **five (5) years** after planting or until mitigation success has been achieved. The report shall describe in detail all of the project/construction activities performed during the previous year and all restoration and mitigation efforts; including percent survival by plant species and percent cover. This report shall include as a minimum, the following documentation:
 - (a) Color photo documentation of the pre- and post-project and mitigation site conditions;
 - (b) Geographical Positioning System (GPS) coordinates in decimal-degrees format outlining the boundary of the project and mitigation areas;
 - (c) The overall status of project including a detailed schedule of work;
 - (d) Copies of all permits revised as required in Additional Condition 1;
 - (e) Water quality monitoring results (as required) compiled in an easy to interpret format;
 - (f) A certified Statement of “no net loss” of wetlands associated with this project;
 - (g) Discussion of any monitoring activities and exotic plant control efforts; and
 - (h) A certified Statement from the permittee or his/her representative that all conditions of this Certification have been met.

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29. Any modifications of the proposed project may require submittal of a new Clean Water Act Section 401 Water Quality Certification application and appropriate filing fee.
30. The project shall comply with the local regulations associated with the Regional Board's **Municipal Stormwater Permit** issued to Los Angeles County and co-permittees under NPDES No. CAS004001 and Waste Discharge Requirements Order No. 01-182. This includes the Standard Urban Storm Water Mitigation Plan (SUSMP) and all related implementing local ordinances and regulations for the control of stormwater pollution from new development and redevelopment. The project shall comply with the local regulations associated with the Regional Board's **Municipal Stormwater Permit** issued to the City of Long Beach under NPDES No. CAS004003 and Waste Discharge Requirements Order No. 99 - 06 - DWQ. This includes the Standard Urban Storm Water Mitigation Plan (SUSMP) and all related implementing local ordinances and regulations for the control of stormwater pollution from new development and redevelopment. The project shall also comply with all requirements of the National Pollutant Discharge Elimination System (NPDES) **General Permit** for Storm Water Discharges Associated with Construction Activity, Order No. 99-08-DWQ. All stormwater treatment systems shall be located outside of any water of the State and shall not be used as a wetland or riparian mitigation credit.
31. Coverage under this Certification may be transferred to the extent the underlying federal permit may legally be transferred and further provided that the Applicant notifies the Executive Officer at least 30 days before the proposed transfer date, and the notice includes a written agreement between the existing and new Applicants containing a specific date of coverage, responsibility for compliance with this Certification, and liability between them.
32. The Applicant or their agents shall report any noncompliance. Any such information shall be provided verbally to the Executive Officer within 24 hours from the time the Applicant becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Applicant becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue and steps taken or planned to reduce, eliminate and prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.
33. *Enforcement:*
 - (a) In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process or sanctions as provided for under State law. For purposes of section 401(d) of the Clean Water Act, the applicability of any State law authorizing

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remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Certification.

- (b) In response to a suspected violation of any condition of this Certification, the State Water Resources Control Board (SWRCB) or Regional Water Quality Control Board (RWQCB) may require the holder of any permit or license subject to this Certification to furnish, under penalty of perjury, any technical or monitoring reports the SWRCB deems appropriate, provided that the burden, including costs, of the reports shall be a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
 - (c) In response to any violation of the conditions of this Certification, the SWRCB or RWQCB may add to or modify the conditions of this Certification as appropriate to ensure compliance.
34. This Certification shall expire **five (5) years** from date of this Certification. The Applicant shall submit a complete application prior to termination of this Certification if renewal is requested.